

### **ABSTRACT OF THE DISCLOSURE**

An interference resistant infrared receiver and extension system is disclosed. A receiver in accordance with the present invention comprises at least one infrared photodetector configured to detect impinging infrared light of a desired wavelength, an amplifier, coupled to the at least one infrared photodetector, for amplifying an electrical signal generated by the at least one infrared photodetector, and a bandpass filter, coupled to the at least one infrared photodetector, wherein the desired impinging infrared light passes through the bandpass filter before impinging on the at least one infrared photodetector, wherein the bandpass filter is configured to pass desired impinging infrared light and block undesired impinging wavelengths of light.